

1877-1886.

# T. C. SNYDER & CO.

Illustrated Catalogue.

Siding

# IRON ROOFING

and Ceiling

Fire-Proof Doors & Shutters, Eave Troughs  
and Conductors,

IRON ORE PAINT, ETC.

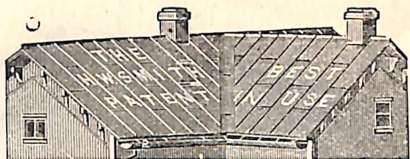
CANTON, OHIO, U. S. A.

LOCAL AGENTS WANTED.

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# THE H. W. SMITH STANDARD IRON ROOFING.

— OUR SPECIALTY —

*Has a larger sale than any other Iron Roof in the World  
and is the most perfect and reliable plan in use.*

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Made of Extra Charcoal IRON FREE FROM SCALE, Sheet Steel, and  
Patent Calaminated Iron.

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**CHEAP, SAFE, DURABLE.**

**Fire, Lightning, Wind, Water and Rust Proof**

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**Suitable for Houses, Stores, Barns, Factories, Mills,  
Rinks, Sheds. Cotton Gins, Sugar Houses, Etc.**

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Largely in use throughout the U. S. and Great Britain.  
Does not get out of order. Every Roof Satisfactory.  
Used on Sheeting Boards or Lath.


THE FIRMEST JOINT IN USE : made by combining the edges  
and fastening into a *Continuous Elastic Folded Lock* without  
separate caps, and conforms to inequalities of surface, with  
*uniform tension*, which cannot be produced by any other plan of  
construction.


THE BEST IS THE CHEAPEST IN THE END.

Tools loaned to apply with. Printed instructions furnished.

Can be laid by any ordinary mechanic. All tanners agree  
that this plan is the best in use.

*Read the references and testimonials.*

 Samples showing plan and quality mailed at request.

 Compare quality and plan of construction with others.

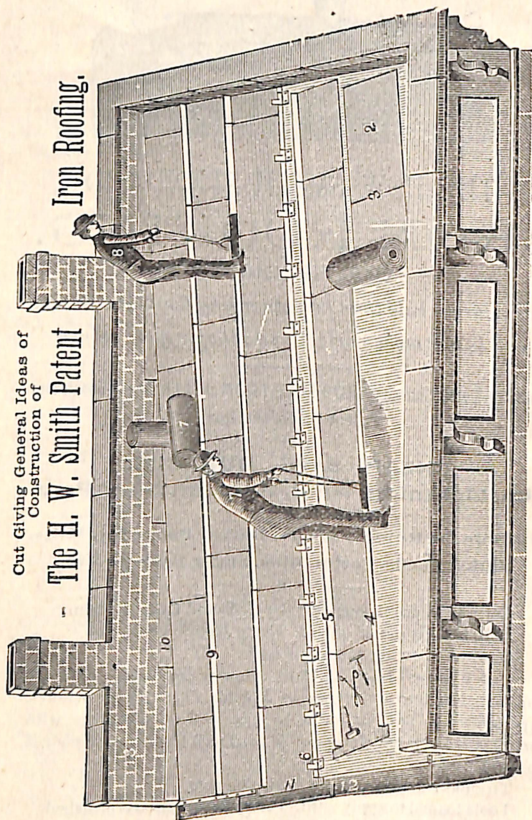
All goods guaranteed the best in the market.



Cut Giving General Ideas of  
Construction of

The H. W. Smith Patent

Iron Roofing.



EXPLANATIONS TO THE CUT.—1, The Roofing in Rolls. 2, The Roofing as Unrolled. 3, Cross-lock or Flat Seam. 4, 1-inch Edge Turned Up. 5,  $2\frac{1}{4}$  inch Edge Turned Up. 6, Cleats or Fastenings. 7, Man Turning Edges with Tongs. 8, Man Folding Edges with Seamers. 9, Finished Seam or Standing Joint. 10, Flashing along the Fire Wall. 11, Lap to turn Down at Eaves and Gable Edges. 12, Eave Trough.



# OUR SMITH PATENT IRON ROOFING

ALWAYS IN STOCK FOR PROMPT SHIPMENT.

THIS PLAN makes the nicest and most perfect Iron Roof that can be produced, and is suitable for *all* Buildings.

This Roofing can be attached to either Iron or Tin Gutters and Valleys. It forms its own ridge and hip caps by a seam combined with the roof, easily formed and nice in appearance.

None but the best Charcoal Iron, Soft Steel and Calaminated Iron, is used for this plan. Common Iron would not endure the folding.

Every sheet is carefully inspected, and imperfect ones thrown out. The edges are trimmed with squaring shears, then painted on both sides by a painting machine, that does the work more perfectly than can be done by hand.


THE MATERIALS USED are pure Boiled Linseed Oil, mixed with the best iron ore paint. This constitutes the best paint known for Iron, and is in perfect affinity with it. The Iron is all *Box annealed* and *free from scale*, hence the paint adheres tenaciously and will not blister nor rub off.

THE GAUGE of Iron is No. 26 which is the best to use, as heavier gauges cannot be folded into tight seams. The durability depends on the quality, and the paint, and not on thickness. Paint is the *protection* of all metallic Roofing. The Iron will last as long as sufficiently protected, though it be a hundred years.

THE SIZE OF SHEETS is 28 inches wide, by 96 inches or more long. The covering width on the roof when the side seams are formed, is 25 inches or two and one-twelfth feet from center to center of standing seams.

THE WEIGHT is about 50 lbs per square.

HOW PREPARED FOR SHIPPING. We join 6 or more sheets into one continuous strip, by a folded and grooved cross lock, or flat seam at ends of sheets, and roll it up in heavy paper, secured by wire, which makes it easy to handle.

 A SQUARE OF THIS ROOFING as sold by us is a Strip, 48 feet long, or its equivalent; whenever the roll contains a strip longer than 48 feet we charge for the full length, multiplied by the covering width 2 1-12 feet, which gives the number of square feet in the roll, the 3-inches not charged for is folded into the side seam. Each roll is labelled showing the length of strip it contains, (48 feet x 2 1-12 feet = 100 square feet). This is as much as is sold for a square by any other manufacturers or agents.

We also give with each square of this Roofing 40 cleats or fastenings, 1 lb. dry Iron Ore Paint for final coat, and  $\frac{1}{8}$  lb. 1 inch No. 10 steel wire barbed nails without charge. The fastenings are used as shown by cut on page 1, also in the Instruction Sheet inclosed with each sample.

There is as much difference in quality and value of Iron Roofing, as in other goods.

Some plans of construction are very objectionable, as they get out of order, and will not stand the test of years. Such Roofs do harm to the fast growing business of Iron Roofing.

Our Charcoal Iron is made especially for this Roofing, at one mill, which for years has made it a specialty, and makes better Roofing Iron than we can find elsewhere. To test the Iron, hold it near the ear, bend with your fingers; if it yields with a crackling sensation or sound, it is not Charcoal Iron, and is only common or contains scale, (though hidden by the paint,) which in time will blister and come off, and bring the paint with it and expose the surface.

## SHEET STEEL ROOFING

Is now used by many of our customers, and needs no argument to prove its value.

It may be distinguished from Iron by bending; the grain being as tough one way as the other, and there is no danger of breaking.

It is painted and put up in the same way, as the Charcoal Iron Roofing.

## PATENT CALAMINED IRON.

Patent Calaminated Iron is superior to Galvanized Iron. The Calamine is a combination of non-corrosive metals, which penetrates the pores, becoming homogeneous with the Iron, and makes it impervious to dampness; it also makes the Iron more pliable. It is put twice through the hot Calamine dip, which gives it a coating superior to all others. It solders stronger than any other material, with either rosin or acid. We guarantee the coating not to crack nor scale under any test.


We recommend it for Roofs, Valleys, Gutters, Sky-lights, Eave-troughs, Conductors, and especially for all work where the metal is exposed to action of the atmosphere, or of acid, salt, sulphur, or alkali waters.

We furnish this Iron in two grades.

The *D. R.* is our Standard Charcoal Iron Calaminated, which we sell for Roofs, Gutters, Valleys, Eave-troughs, Sky-lights, &c.

The *B. B.* or Calaminated Steel, is also used for tinnerns double seaming and stamping purposes.

THE CALAMINED IRON ROOFING is painted, and put up in the same way as the other Iron, *unless otherwise ordered*. We solder the cross locks or flat seams before painting, *only when so ordered*. We regard the paint as reliable as the solder, *except on very flat roofs*, as the standing seams cannot well be soldered, the edges should always be painted before folding, so as to have paint inside the joints, to make them water-tight. This rule also applies, when attaching the roof to wide valleys and gutters.

 In ordering the Smith Patent Roofing make allowances as shown by cut No. 5 on inside of back cover leaf.

## WIDE GUTTERS AND VALLEYS.

We recommend Calamined Iron, or Calamined Steel as the best material to use for such purposes in all kinds of roofs, as it solders very strongly, and will last as long as the building. Our Charcoal Iron and soft steel has never failed for this purpose, but *the Calamined is the best*, and *no material is too good* for such purposes.

WE SELL THE PLAIN STRIP soldered, but not painted, and charge full width.

D. R. Calamined Iron 28 inches wide, may be cut 14 inches.

B. B.        "        "        36        "        "        "        "        18 or 12 in.

Other sizes furnished on sufficient notice.

## ROOFER'S PAPER.

We keep in stock Dry Rosin Sized felt, and water proof sheathing paper, and recommend its use between Iron and Sheathing boards on dwellings, and over gas or steam, or whenever there is heat next to the Roof, as in grist mills to prevent moisture in cold and thawing weather. Such felt is also used between floors for rinks, and other public rooms for deafening purposes.

## PITCH.

This Roofing may be laid on any pitch, not less than  $\frac{1}{2}$  inch to the foot, though one inch or more to the foot is far better for any roof, especially if very long.

## TOOLS.


This Roofing cannot be laid rightly and rapidly, without using our tools made specially for this purpose. We always send tools, (except to agents having a set of their own). We charge nothing for their use, if promptly returned as soon as the Iron is laid, but we always charge estimated cost for return expense.

They must be returned as a box of CASTINGS, with our return card attached showing, who returned them; also the freight receipt must be sent us by mail, to enable us to trace them if they get lost.



## HOW LONG WILL IRON ROOFING LAST ?

This question has ceased to be asked where this roofing is known. We know of iron roofs in use 48 years and still in good condition. We furnish better iron roofs now than were ever made before, and for less money. *Iron without scales will never shed paint.* The paint on the under side is not exposed, and can never wear off, and so long as it is sufficiently protected it will last indefinitely.

 TO REPAIR IRON ROOFS SEE INSTRUCTIONS INCLOSED WITH SAMPLE.

**LIGHTNING PROOF.** This claim is not used merely as an advertising assertion, *but given as a fact. Lightning has never been known to injure a building covered with an iron roof,* which is conclusive proof. Prof. Mitchell says: "Combustion cannot occur, as the large metallic surface scatters the electricity and renders it harmless;" hence *all danger from lightning and the expense of lightning rods is saved.*

## WATER PROOF.

No complaints of getting out of repair, or leaking have ever been reported to us, when this roofing was properly applied and the roof finished according to our printed instructions.

We consider this sufficient evidence.

Can this be said of other roofs?

**HEALTHY WATER.** There is nothing injurious in the paint. Its smooth surface holds but little dust, which disappears with a few minutes rain, after which the water is clear and healthy.

## WHY BETTER THAN SEPARATE CAPS ?

Because our side joint is *a folded lock*, and more reliable and water tight, and *our folded edge on only one side* of the standing seams, better resist capillary attraction of water than single edges used on other plans.

*Separate Caps* cannot be made to conform snugly to the joints, if the surface is in the least uneven, without causing the edges to bulge or buckle, and in time become loose and the whole roof endangered. These objections are overcome by our plan of solid and firm cap and sheet combined seams.

Our flat seams or cross locks are water tight, and *far better* than when made on the roof with nothing solid to mallet on, as is required by roofs put on in separate sheets, and the *advantage of having these seams ready made*, is *far greater*, than having the side edges ready turned; as experience will prove.

## COMPARED WITH TIN ROOFING. ~

Tin Roofs become leaky and loose, ten times as often as Iron Roofs.


The Iron is stronger, has fewer seams, and can be applied more quickly, and on a cheaper surface.

The joints are elastic, and *never injured by contraction and expansion*. *The tension is more uniform*, and is less liable to get out of order. It can be more cheaply repaired by anyone. *Iron joints contain paint on inside, which acts as a cement and prevents leaking*. *Tin joints are from 5 to 20 times as many, and have no paint on the inside*, and being rigid with solder, and the material weaker, often break from vibration, contraction, and crystalization of the solder.

Tinned or leaded roofing plates for the American market are of inferior and cheapest quality.

TIN IS MADE OF SHEET IRON, dipped in a powerful acid, which enters the pores, then in a solution of tin or lead, which is all run off by electric process except 2 to 4 per cent, which is not enough to hold solder strongly. Many small cavities and pores, though generally imperceptable to the eye, are not coated, and when exposed to the atmosphere will corrode more quickly than iron never dipped in acid. "A machine is not stronger than the weakest part." *The iron is the base in both, and the paint is the protection of both*; hence the iron, possessing all the above advantages, is the safest to use.

Tin roofs are usually allowed to *rust a few weeks*, to take the paint better, and *then painted*; *this being an additional charge of 50 cents per square*. Iron is *already painted and never allowed to commence to corrode*, and the final coat is included in the price of completing the roof.

 In Great Britain, where all the tin is made, iron is used generally, and tin plates but little. Iron roofing plates appear in English metal quotations. These facts outweigh any theory as to tin, "*Truly not all that glitters is gold.*"

## COMPARED WITH SLATE.

Slate requires a heavy and expensive structure to bear its weight, and must be steep, which makes more surface to cover. Weighs from five to seven times as much, often breaks from shrinkage of the timbers, freezing, thawing, and heat from adjacent fires, and blows off. In many States firemen are not required by law to go on a slate roof, (for obvious reasons). Cannot be walked over while repairing gutters, chimneys, lightning rods, etc., and are not lightning proof. Driving storms force snow and rain through the roof.

It holds more heat in summer, and more cold in winter. When gutters are flooded with ice and snow, it will leak, and is very costly to repair; *in any event, metallic gutters are always required for the more dangerous parts.*


## COMPARED WITH SHINGLES.

The greater number of fires originate on the roof. The average life of a shingle roof is only 10 years in town, and 12 in the country. Shingles years ago were made of prime timber, but are now made of soft trees, saplings, limbs and odd cuttings, because prime timber brings higher prices for other purposes.

*Shingles are dangerous*, and fast growing in disfavor. Iron costs about the same, can be laid much faster, will last many times longer, looks richer and better, and is safe against fire and lightning.


## INSURANCE.

Is less on buildings roofed with iron. *It is a well-known fact, that Iron is the most thoroughly fire proof Roofing in use.*

 AGENTS FOR ROOFING should adopt the *best plan and quality*, to give best satisfaction, build up a large trade, and baffle competition.

## HOW TO ORDER.

To avoid mistakes, examine the diagrams on pages 31, 32, and 33, and follow the instructions there given.


 We cut strips to exact lengths wanted, only when the lineal feet and inches for each piece are definitely stated in the order, and charge 10c. per square extra for the same,



## COST OF LABOR TO APPLY THE SMITH PATENT ROOFING.

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50 cents per square is about the *average* cost, though all depends on the wages paid, and the size and shape of the roof. Labor will cost, in most cases, from \$1.25 to \$2.00 per day for carpenters, ordinary mechanics and intelligent workhands. Good tinner in many places charge from \$1.50 to \$2.50 per day. 4 to 5 squares is about the average amount for a days' work, though very much depends on the experience and skill of the men employed. On large and plain jobs, 10 squares a day to each man, has been laid. On very steep roofs, small roofs, or where there are many gutters, valleys, chimneys, scuttle holes, ventilators, etc., to be flashed, the roof will be laid slower accordingly; hence, the price varies from 25 to 75 cts. per square, according to the above named circumstances.

 To ascertain the total cost per square, add the cost of labor, and one-sixth gallon linseed oil (to mix the paint) and you will know the total cost of the roof.

We can furnish experienced roofers to apply the roofing, when wanted, at \$2.50 per day, and all expenses from start to return, but this is unnecessary, as any mechanic, or intelligent work hand, can apply the roofing, after carefully reading our printed instructions, examining the cuts, and seeing our sample and tools; the tools cannot work wrong, nor out of gauge.

## NOTICE.

### CORRUGATED, CRIMPED AND BEADED IRON.

All of our Corrugated, Crimped Edge, and Beaded Iron, is of good quality, Box annealed, free from scale, and painted on both sides.

OUR NEWLY INVENTED CORRUGATING MACHINE forms one perfect corrugation at each impression, and overcomes the usual CREEP, SPRING, and BUCKLE, caused by other methods; all Corrugations are uniform and the laps fit perfectly on all gauges; For instance—No. 26 gauge when corrugated by this machine will fit and lap perfectly on No. 16 when corrugated, which cannot be done by any other machine.

### SIZE OF CORRUGATION.

We make three sizes of Corrugations—1 in. x  $\frac{1}{4}$ , 2 in. x  $\frac{1}{2}$ , and 3 in. x  $\frac{3}{4}$  from center to center of corrugates.

### SIZE OF SHEETS.

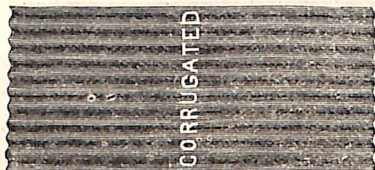
We keep in Stock Sheets, No. 26 gauge, 6, 7, and 8 feet long, though 8 feet is the standard length, and always shipped, unless otherwise ordered, 9 and 10 feet sheets, and *other gauges than No. 26, made to order only on sufficient notice*, say from one to three weeks.

The covering width is 2 feet exact, exclusive of one Corrugate for side lap on each sheet, which we allow without charge, though we always charge for the full length of sheets, some manufacturers charge also for the side lap. Purchasers should consider this in comparing prices, as this makes a difference of 6 to 9 square feet in a square.

We always charge full price for waste in cutting sheets to special order, if any occurs. (No waste occurs when sheets are cut into equal parts).

See Price List, showing what constitutes a square of above goods as sold by us, nails, paint, etc., included.

## CORRUGATED IRON



Is used for Roofing some kinds of buildings, though for roofs, we advise the use of our *Standard Roof*—THE SMITH PATENT, as the joints in Corrugated are simply laps and liable to leak. When Corrugated Iron is wanted for roofing, we ship sheets Standard size with the 3 inch by  $\frac{3}{4}$  size Corrugates, unless otherwise ordered, as it is preferable to smaller Corrugates for this purpose.

Gauge No. 22 may be applied on rafters or studding, but lighter gauges should be laid on sheeting boards; all sheets cover 2 feet wide and of various lengths, (see page 10).

In ordering for Roofing make allowance for 3 to 6 inches for end laps, according to pitch of roof.

## CORRUGATED IRON SIDING

Is now very popular. We recommend it for all frame buildings except dwellings.

For large buildings the 3-inch by  $\frac{3}{4}$  size Corrugates are preferable, and for smaller buildings the 2-inch by  $\frac{1}{2}$ .


Gauge No. 22 and heavier may be applied to Studding, and the lighter gauges on Sheeting boards.

In ordering Siding make allowance for 1 to 2 inches for end lap.

## CORRUGATED IRON CEILING

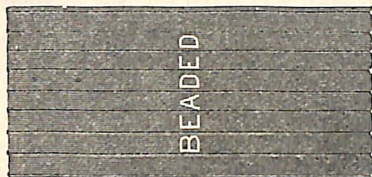
Is largely used for its fire-proof qualities on business houses, factories, and public rooms. We recommend the 2-inch by  $\frac{1}{2}$  size Corrugates for high ceilings, and the 1-inch by  $\frac{1}{4}$  size for low ceilings, length of sheets 8 ft. covering width 2 ft.

We can also furnish Corrugations  $\frac{5}{8}$ -inch by  $\frac{1}{8}$  deep, length of sheets for this size Corrugates 4 feet, covering width 2 feet.

 In ordering ceiling make allowance for 1-inch end lap.



## BEADED IRON SIDING AND CEILING.



*Usual lengths of Sheets 4 and 8 feet (see page 10).  
Covering width 2 feet.*

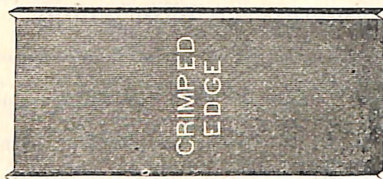
THIS STYLE IS THE NICEST OF ALL, and is very popular for both purposes. The beads are small Corrugates about  $\frac{3}{8}$  inch deep, and three inches from center to center. It imitates 3 inch boards. Can be applied either perpendicularly or horizontally as preferred, to boards, studding or joist placed the proper distance apart. Purchasers can paint it any color.

✂ In ordering ceiling make allowance for one-inch end lap.

## PLAIN IRON SIDING

Consists of Plain Sheets Squared; we can bead the Side Edges, imitating boards 2 feet wide for 10 cents per square extra.

## CRIMPED EDGE IRON ROOFING AND SIDING.

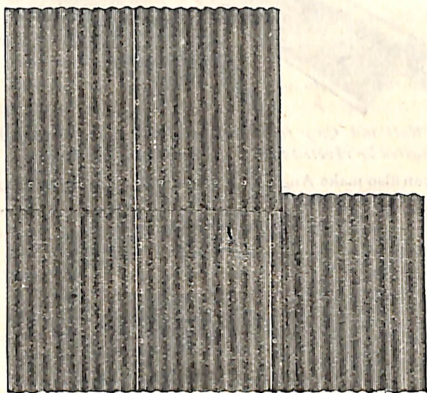


*Usual length of Sheets 8 feet (see page 10).  
Covering width 2 feet.*

Is used on Rolling Mills, Factories, and Sheds. Sheets are lapped at ends. Purchasers can cut and turn a hem and make end lock on sheets when desired, which is better. We turn them when so ordered for 10 cents per square extra. We always furnish 50 lineal feet of triangular shaped wood strips for each square. When specified in the order we can make 3 or 4 crimps in each sheet, giving it the appearance of 8 or 12 inch batten boards. In such cases the price is correspondingly higher.

✂ When ordering for siding make allowance for 2-inch end lap, and when for Roofing, 3 to 6-inch end lap, according to pitch, except when made with end locks.

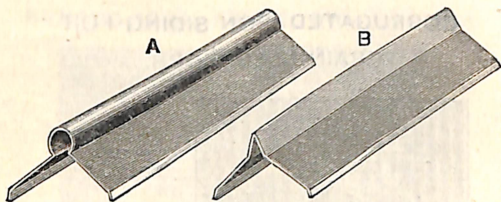
## CORRUGATED IRON SIDING FOR GRAIN ELEVATORS.



For this special purpose, we make Corrugated Iron Siding, as experience has proven best adapted. Size of Corrugates 3 inches by  $\frac{3}{4}$ , or 2 inches by  $\frac{1}{2}$  deep, length of sheets  $31\frac{1}{2}$  inches, covering width 24 inches from center to center of out-side corrugations, and each sheet lays 24 x 30 inches, and contains 5 square feet. Every other Corrugation is punched for nails 3 inches from lower edge as shown in cut. Price on this siding includes  $1\frac{1}{2}$ -inch end lap, and one Corrugation for side lap, which makes the price higher than our other Corrugated Iron.

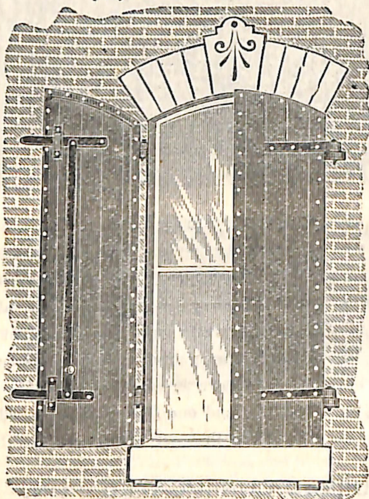
## CURVED CORRUGATED IRON.

We furnish Corrugated Iron curved to any desired radius on sufficient notice at a charge of  $\frac{1}{2}$  cent per foot extra. When used between iron floor beams for ceiling, the exact distance between the body of beams must be carefully specified.



*Ridge Roll and Cap for Corrugated and Crimped roof, to be nailed or riveted to place. Made in 6 feet lengths.*

We can also make Angle Iron to use under Eaves and Gable projections, when wanted.




*Fire-Proof Doors and Shutters, with Fastenings.*

The body is wood, covered each side with our Bead Iron, which projects an inch at top and sides, and riveted every three inches. Shutters and Doors constructed in this manner stand extreme heat better than solid iron. In ordering send exact size of openings and shape of arch.





## IRON ORE PAINT.

WE GUARANTEE OUR IRON ORE PAINT EQUAL IN ALL RESPECTS TO ANY OTHER FIRE PROOF PAINT IN THE WORLD, AND TO SPREAD FARTHER THAN ANY OTHER.

 *It never cracks, scales nor fades, does not run in streaks nor settle in the bucket, and is the cheapest and best to use on iron, tin, wood or brick.*

The color is a beautiful dark red, makes a purple brown when mixed with lamp black, or pink, when mixed with white lead. Seven lbs. of our paint mixed in one gallon boiled oil, spreads a good coat over 10 to 12 squares of sheet iron; this is more than can be claimed for any other.

 WE CHALLENGE ANY OTHER TO DO AS MUCH. *It is all re-ground and takes less oil, (which is the principal cost) than any other paint in the market.*

 The saving in oil *will more than pay for the paint.* ANY ONE CAN MIX AND APPLY THE PAINT.

WE GUARANTEE THE ABOVE CLAIMS.

If not satisfactory, return at our expense and we will refund all money paid.

GIVE IT A TRIAL.

Size of packages, dry, 100, 300, 500 and 600 lbs.

PAINT GROUND IN OIL, medium brown and standard dark brown. In barrels 800 and 1000 lbs., kegs 50 and 100 lbs., cans 12½ and 25 lbs.

Requires one-half as much oil to mix as the dry paint.

All customers are well pleased with our paint and cement.


No complaints—which is better proof than a thousand testimonials.

Sample sent by mail on application.

## ELASTIC ROOFING CEMENT.

WE GUARANTEE OUR ELASTIC CEMENT THE BEST IN THE MARKET, TO STOP LEAKS IN OLD ROOFS.

*It has stood the test more than 50 years, and is the cheapest and most reliable material in use for flashings on iron, tin, and slate roofs; it stops all leaks and will never crack nor peel.*

 Tinnerns will find it superior to solder. In boxes, 6¼ and 12½ lbs., cases 100 lbs. (8 or 16 boxes.)

A trial will prove its merits. If not satisfactory return at our expense and we will refund money paid, and ask no questions.

## BERGER'S PATENT SLIP JOINT EAVE TROUGHS.



### LONGEST IN THE WORLD.

*In 10 foot pieces without seams.*

No Solder, no Rivets, no Rust, no Leaks.

Any one can put it together and hang it.

The Joints are five times stronger than solder, and never affected by contraction and expansion, made of Sheet Steel, Galvanized, and Calaminated Iron. Made to run water to the *Right* or left as wanted.

### OUR LAP JOINT EAVE TROUGHS.

*In 10 foot pieces without seams.*

Made of Calaminated Iron, which solders more strongly than other material. (Use Rosin).

We recommend the Calaminated Iron, *as now made*, to be the best material to use for such purposes.

We ship 25 pieces in a crate.

Prices on large lots given on application.

### CONDUCTOR PIPE.

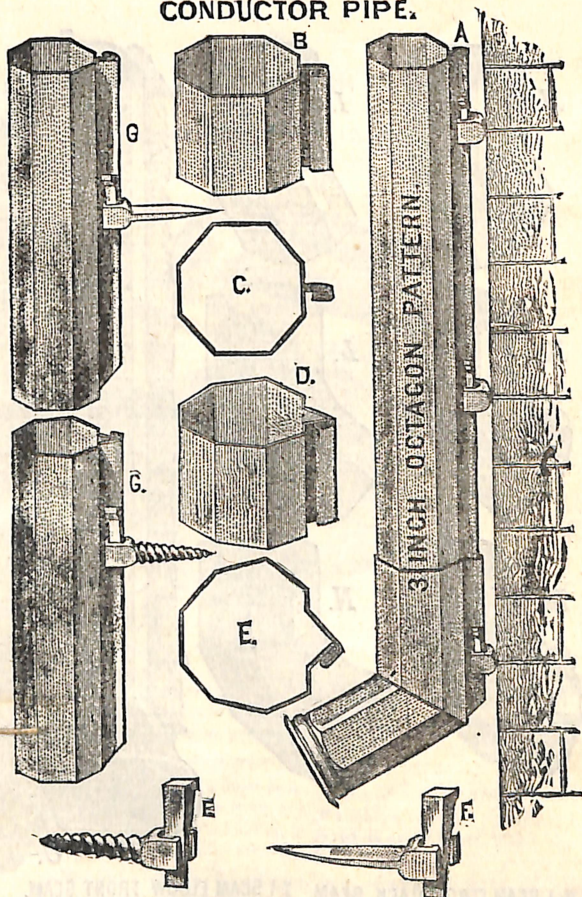
We also furnish Solderless Standing Seam Conductor Pipe, Octagon Shaped, made in 6 foot lengths of Galvanized or Calaminated Iron, also Standing Seam Shoes, Conductor Heads, and Cast Iron Shields, and Boots.

We recommend it as better, and nicer, and more easily applied than any other kind in the market, especially for large buildings; any one can apply it.

The standing seam makes ample allowance for *expansion* in case of water freezing in the pipe, and prevents bursting in the winter.

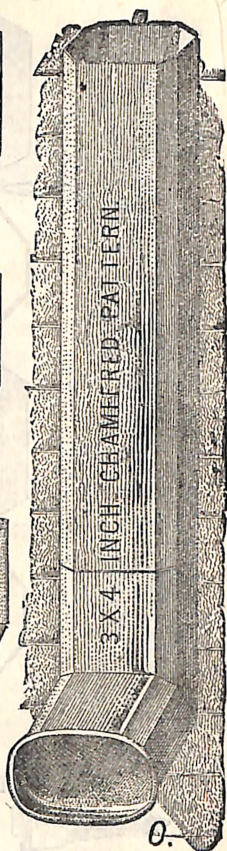
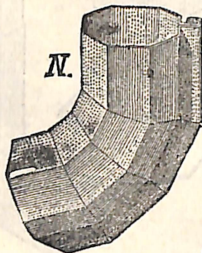
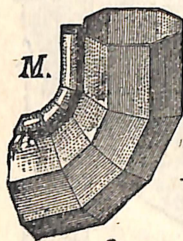
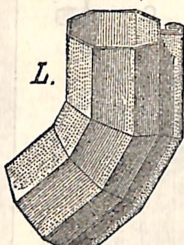
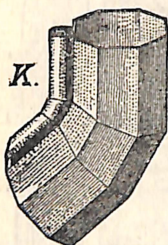
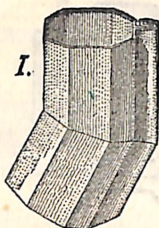
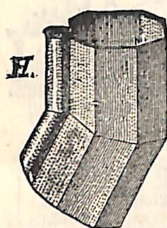
Illustrated Catalogue and prices for Conductor Pipe sent on application.

# CONDUCTOR PIPE.



- A.—SECTION OF PIPE AND SHOE PUT UP.
- B.—" OF PIPE AS MADE.
- C.—CROSS SECTION OF SAME.
- D.—SECTION OF PIPE OPENED BY ICE.
- E.—CROSS SECTION OF SAME.
- F.—FASTENER, SPIKE OR SCREW.
- G.—SECTIONS READY TO PUT TOGETHER.

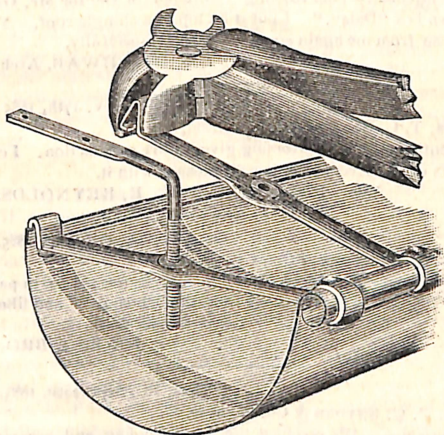




H-1 SEAM ELBOW BACK SEAM, I-1 SEAM ELBOW FRONT SEAM,  
 K-2 " " " " L-2 " " " "  
 M-3 " " " " N-3 " " " "  
 O-SECTION OF SSS CHAMFERED PIPE.

## BERGER EAVE TROUGH HANGERS.

PATENTED JANUARY 12, 1886.



*No Solder Required.*

These Hangers are made of best Malleable Iron, and are stronger and more easily applied than any others in the market. Any one can apply them perfectly.

They serve as both a brace and Hanger.

Troughs hung with them never get out of order. They are four times stronger than Hoop Iron Fasteners. 4 lbs. Solder, and  $\frac{1}{2}$  days time at soldering, is saved on every gross, which makes them cheaper than other kinds.

We furnish them with rods and nuts, or with straps riveted to cross-bars, as preferred.

All parties who have seen or used the Berger Patent Hanger have adopted them, and will use no other kind.

Prices to Tinnerns and Dealers given on application.

## TESTIMONIALS.

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Ann Arbor, Mich., Feb. 24th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—The Roofing I ordered of you for Mr. Geo. Clarken is a "Daisy." I put it on top of a shingle roof. You will hear from me again soon. Yours Respectfully,

G. B. SCHWAB, Arch.

---

Bluften, Ind., Nov. 17th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—Your Roofing gives entire satisfaction. I can sell lots of it. Everybody is well pleased with it.

Yours Respectfully, L. E. REYNOLDS.

---

Ovid, N. Y., Oct. 31st, 1885.

Messrs T. C. SNYDER & Co., Canton, O.

Gentlemen:—Enclosed please find check for \$71.60 in payment bill Oct. 6th. We have put the Roofing on and like it well.

Yours Respectfully,

JONES & BRO.

---

Eliza, Ill., Sept. 28th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—We received the Iron Roofing, and are well pleased with it. Yours respectfully,

BISHOP REYNOLDS & CO.

---

Akron, O., Feb. 3rd, 1886.

T. C. SNYDER & Co., Canton, O.

Gentlemen:—In 1884 we used one hundred and six squares of your Iron Roofing. In 1885 we applied five hundred and eighty squares. It is not only *our* opinion, but the opinion of builders and contractors that it is the *Best Iron Roofing* in use.

Yours Respectfully, SORRICK & HARTER.

---

Greig, N. Y., Nov. 20th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—The Roofing was put on O. K. and we are well pleased with it. We think this will help you to sell more in this section.

Yours Respectfully,

HILLS BROS.



Dunfee, Ind., Aug. 25th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—Roofing all laid satisfactory, and am well pleased with it.

Yours respectfully,

S. HUGLER.

---

Jordan, Minn., Nov. 13th, 1885.

Messrs. T. C. SNYDER & Co., Canton, O.

Gentlemen:—I started to lay the Roofing Iron yesterday, and find it *far superior to any other*. I have used for the last six years half a dozen different kinds, but none suits me as well as yours. I want the agency for your Roofing in this town and vicinity.

Yours Respectfully,

EDW. C. GRAN.

---

Fremont, Newaygo Co., Mich., Jan. 25th, 1886.

Mr. H. C. HENDERSON, San Francisco, Cal.

Dear Sir:—Yours of 14th inst. just received. We are fully satisfied there is no better Roofing than that manufactured by T. C. Snyder & Co., of Canton, O., for all climates, it being *impossible for it* to produce leaks by expansion and contraction, it has given us entire satisfaction. About a year ago our Opera House, 48 x 100 ft., all wood, with shingle roof burned close, beside our two story brick store covered with *H. W. Smith Patent Iron Roofing*, manufactured by T. C. Snyder & Co., although the Roof was literally covered with burning embers it saved the building. Any other question will be cheerfully answered—

Yours Respectfully,

HILTON BROS.

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#### FOR BARN ROOFS.

T. C. SNYDER & Co.—Gentlemen: Your H. W. Smith Patent Iron Roofing, which I put on my barn eight years ago, appears to be as good as the day it was put on, and I believe will last 50 years, if kept painted. Its being lightning proof, saves the expense of rodding.

ALBERT TRICKER, Mentor, Ind.

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#### FORTY-SEVEN YEARS.

T. C. SNYDER & Co.—The Iron Roofing on my old bank building, "which you have just examined," was put on in 1838. It has never leaked to my recollection; it has been painted but a few times, and still seems to be sound as ever.

BERNARD KINNEY, Ravenna, O.

### ABOUT CALAMINED IRON.

T. C. SNYDER & Co.:—I am well pleased with your Iron Roofing, and the *Calaminated Iron is the best material I ever worked.* It solders better than tin, and being so soft is easily bent to any shaped gutter. My first job was a good test for it, as there were many mitres and angles to fit. I think you have a grand thing, as it must soon take the place of galvanized iron for cornice work and many other things now made of galvanized iron. I want the agency in Wahoo for this iron.

W. H. BARNES, Wahoo, Neb.

---

### CALAMINED IRON.

T. C. SNYDER & Co.:—The Calaminated Iron worked well and I like it better than galvanized iron. It is heavy enough for roofing and solders well.

CHAS. L. FELDWEIG, Clay City, Ill.

T. C. SNYDER & Co.:—Send 50 squares Iron Roofing with cleats and paint. Your seam is pronounced the *best in this section.*

D. A. TILLEY, Builder, Hyde Park, N. Y.

T. C. SNYDER & Co.:—I have put on my roofing and I think it the best roof in the neighborhood. Everyone that has seen it thinks it a nice roof and ahead of tin. There are several of my neighbors want to get the roofing.

J. HOMRIGHOUS, Royalton, O.

T. C. SNYDER & Co.:—Being old tanners we were never in favor of iron roofing, until we saw your plan of construction and material. It gives entire satisfaction. People are taking it in preference to any other. The tools you sold us put it on rapidly, tightly and with uniform tension, thereby preventing vibration, which is not the case with other metallic roofs. We don't talk tin roofs to our customers any more, as we are satisfied we can give them better value for their money.

MILLER BROTHERS, Creston, O.

## PAINT TESTIMONIALS.

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T. C. SNYDER & Co.:—Dear Sirs—Your “Metallic Paint” spreads well and makes a better coating on tin than venetian red, or any other paint I ever used. It does not run on the tin and leave streaks; it sticks tighter and does not settle as much as other kinds.

E. J. Rex, Tinner, Canton, O.

---

It is the best as well as the cheapest paint we have ever used or seen.

Cleveland Wrought Iron Fence Works, Cleveland, O.

---

T. C. SNYDER & Co.:—Gentlemen—Your “Metallic Paint” is the best we have ever used.

Wrought Iron Bridge Co., Canton, O., per M. Adler, Supt.

---

We are especially pleased with it and will continue the use of it.

G. C. Reed, Ass't Gen'l Manager, L. & N. R. R.

---

Our foreman painter reports your paint to be the best he has ever used.

G. R. Carr, Gen'l Sup't C. H. V. & T. R. R.

---

It has given us entire satisfaction, and we are now using it exclusively on cars and similar work.

B. F. Fields, Master Painter. {  
J. W. Sawyer, Master Car-BUILDER. { N. C. & St. L. R. R.

---

I shall use it on all my turbine wheels, as I think it superior to any other.

T. J. Wilder.

---

We have adopted its use permanently for painting our engines, as we think it superior to any other.

Erie City Iron Works, Erie, Pa.

---

We find it of superior quality, and shall use it on all our railroad bridges and other iron work.

Wilkins, Post & Co., Atlanta, Ga.

---

In grinding we find it takes *from 10 to 25 per cent. less oil* than various other brands of oxide of iron we have heretofore handled.

Peaslee, Gaulbert & Co., Louisville, Ky.

---

We think it superior to any in the market, and shall soon want another car load.

Milburn Wagon Co., Toledo, O.

---

**We have hundreds of letters similar to the above.**



## REFERENCES.

The H. P. Hayden Saddlery Hardware Co.,	Columbus, O.,	Mfrs. Saddlery Hardware.
Woodward & Barbour,	Carlinville, Ill.	Hardware
C. Aultman & Co.,	Canton, O.	Mfrs. Machines
John Brodbeck,	Boise City, Idaho.	Brewer
H. C. Fry,	Pittsburg, Pa.	Prest. Rochester Tumbler Co
Sorricks & Harter,	Akron, O.	Hardware and Stoves
D. & F. Kusel,	Watertown, Wis.	Hardware
E. Whitney,	Humboldt, Neb.	Carpenter
Nichols, Shepard & Co.,	Battle Creek, Mich.	Mfrs. Machines
G. Fleckenstein,	Faribault, Minn.	Brewer
A. Hurford,	Canton, O.	The Hurford Hotel
The Jno. M. Worth Mfg. Co.,	Worthville, N. C.	Mfrs. Cotton Yarns
R. R. Staude,	Weatherford, Tex.	Contractor
Diebold Safe & Lock Co.,	Canton, O.	Mfrs. Safes
G. M. Scott & Co.,	Salt Lake City, Utah.	Hardware
Jno. McGhee,	Beech Creek, Pa.	General Store
H. W. Young,	Wellsburgh, N. Y.	General Store & Coal
Taft & Munger,	Mazeppa, Minn.	Hardware
W. T. Sagehorn,	Oakland, Cal.	Hay & Grain
Geo. E. Daniels,	Iuka, Ill.	General Store & Banker
Jno. W. Thornburg,	Barboursville, W. Va.	Contractor
Jessee Flaughner,	North Jackson, O.	Agri. Impls
Mc. Cullom & Suffel,	Hallock, Minn.	General Store
T. L. Thorson,	Algona, Iowa.	Tinware and Hardware
L. Selby,	Lawrenceville, Ill.	Contractor
G. W. Bishop,	Walton, Ind.	General Store
T. S. Coulter & Co.,	Slippery Rock, Pa.	Tinners
S. J. Chase,	Cato, N. Y.	Hardware
R. Chidester,	Metamora, Ind.	Contractor
Hutzel & Co.,	Ann Arbor, Mich.	Paints, Oil, &c
Wrought Iron Bridge Co.,	Canton, O.	Mfrs. Bridges
Geo. W. Stockwell,	Greenville, Miss.	Stove and Tin
L. L. Hathaway,	Collins, N. Y.	General Store
Taylor Hardware Co.,	Taylor, Tex.	Hardware
Baker, Dounce, Rose & Co.,	Elmira, N. Y.	Hardware & Stoves
F. F. Palmer & Son,	Hudson, Mich.	Hardware
T. N. Killen,	Bronwood, Ga.	Saw Mill
B. C. Rhodes, Jr.,	E. Brook, Pa.	General Store
Henry Degner,	Black Creek Fall, Wis.	Hardware
Burrell & Whitman,	Trenton, Mich.	Factory
Gracy & Marchbanks,	Sparta, Tenn.	Lumber & Mill

## AGENCIES.

An agent for our goods, means simply an exclusive customer for the territory assigned him; all inquiries from said territory thereafter are referred to him, which protects him in the sale of our goods. He buys the goods from us at such times, and in such quantities as he desires, and makes his own selling prices to his customers. *We furnish no goods on commission.*

We charge nothing for territory, except to require him to buy tools within three months, otherwise the agency will be considered abandoned and revoked at our option. When he buys tools we send him certificate of agency, which he may hold so long as he buys not less than \$100.00 worth of goods each year. If he should afterwards wish to quit the agency we will take the tools back at cost, less \$10.00 a year.


AGENTS MAY ALSO SELL IN ANY OTHER TERRITORY NOT TAKEN. We furnish free of charge, poster cards and circulars, printed specially for agents use, with their name printed thereon, also electrotypes, if desired.


Parties not desiring to buy tools may sell our goods so long as they return our tools according to our rules, but until they buy tools, we do not protect them by referring inquiries to them.


Where we have no agent, we sell direct to the consumer, and at same prices.


## TAKE NOTICE.

To avoid mistakes in ordering and misunderstanding in comparing our prices with others, we make the following specifications and terms on which our Price List and quotations are based:—


 All kinds of Iron for Roofing, Siding, and Ceiling, are painted both sides, (unless otherwise ordered), except Calaminated Iron for gutters.

 All quotations are for gauge No. 26. Price on heavier gauges than No. 26, given special on application.

 The Smith Patent Roofing, Corrugated and Beaded Iron No. 26 gauge always kept in stock.

 Orders for heavier gauges than No. 26, or for odd lengths, should be sent to us two or three weeks before wanted.

Galvanized Iron furnished at same price as Calaminated on sufficient notice.

 In ordering the SMITH PATENT ROOFING be careful to state the kind of material wanted, whether Charcoal Iron, Sheet Steel, and if Calaminated Iron, whether painted or unpainted.

In ordering Corrugated Iron state whether for Roofing or Siding, kind of material, gauge, size of Corrugates, and length of sheets wanted, otherwise we will send Refined Iron painted, No. 26 gauge.

## TERMS.

Small orders from transient customers must be accompanied with the cash.

Goods shipped on cash quotations, *must be paid for on delivery.*

Parties known to be responsible and prompt, may have 30 days, if desired.

Remittances must be made by N. Y. Draft or P. O. Order, and *not by personal check.*

Telegrams, Exchange, and Express Charges, must be prepaid.

Accounts not remitted when due, subject to sight draft. No extensions allowed except on bankable note, with interest at 8 per cent,



Price includes  $\frac{3}{4}$  pound  $1\frac{1}{4}$  inch No. 10 Steel Wire Barb Nails, and 1 pound Dry Iron Ore paint per square, except for ceiling.

## CORRUGATED IRON CEILING.

GAUGE 26. CORRUGATIONS  $\frac{5}{8}$  x  $\frac{1}{8}$ .

Refined Box Annealed Iron, Painted.....	\$4.00 per square
Sheet Steel, " .....	4.50 " "
Calaminated Iron, not Painted.....	5.75 " "

One Square (100 sq. ft.) consists of  $12\frac{1}{2}$  sheets 4 feet long, or equivalent; covering width 2 feet, (8 sq. ft. in a sheet).

Price includes  $\frac{3}{4}$  pound 1 inch No. 10 Steel Wire Barb Nails.  
No paint with Iron for ceilings.

## CORRUGATED ELEVATOR IRON SIDING.

GAUGE 26 WITH HOLES PUNCHED.

Refined Box Annealed Iron, Painted.....	\$4.00 per square
---	-------------------

One Square (100 sq. ft.) consists of 20 sheets covering dimensions 2 x  $2\frac{1}{2}$  ft. exclusive of side and end laps, (5 sq. ft. in a sheet).

Price includes  $1\frac{3}{4}$  pounds 2 inch No. 9 Steel Wire Barb Nails, and 1 pound Dry Iron Ore paint per square.

## CRIMPED EDGE IRON.

GAUGE 26 FOR ROOFING AND SIDING.

Refined Box Annealed Iron, Painted.....	\$3.60 per square
with folds turned for end locks, 10 cents per square extra.	

One Square (100 sq. ft.) consists of  $6\frac{1}{4}$  sheets 8 feet long, or equivalent; covering width 2 feet, (16 sq. ft. in a sheet.)

Price includes 1 pound  $1\frac{3}{4}$  inch No. 10 Steel Wire Barb Nails, 50 lineal feet triangular wood strips, and 1 pound Dry Iron Ore paint per square.

## BEADED IRON.

GAUGE 26 FOR SIDING AND CEILING.

Refined Box Annealed Iron, Painted.....	\$3.60 per square
Sheet Steel, " .....	4.10 " "
Calaminated Iron, " .....	5.35 " "

One Square (100 sq. ft.) consists of  $6\frac{1}{4}$  sheets 8 feet long, or  $12\frac{1}{2}$  sheets 4 feet long, or equivalent; covering width 2 feet, (16 or 8 sq. ft. in a sheet).

Price includes  $\frac{3}{4}$  pound 1 inch No. 10 Steel Wire Barb Nails and 1 lb. Dry Iron Ore paint per square, *except for ceiling.*

## VALLEY AND WIDE GUTTER IRON.

GAUGE 26 FOR SIZES OF SHEETS SEE PAGE 5.

Charcoal Refined Box Annealed Iron, Painted....	3½	per sq. ft.
D.R. Calamined, Cross lock Soldered not Painted.	5½	“ “
B.B. “ “ “ “ “ “ “ “	6	“ “

## ROOFING NAILS.

STEEL WIRE BARB NAILS FOR IRON AND TIN.

1 inch, No. 10 large head.....	per keg.....	\$8 00
1 “ “ “ “ “ Tinned... “	keg.....	12 00

## ROOFING CEMENT.

6¼ lb. Boxes.....	per box	\$ 50
12½ “ “ .....	“ box	1 00
6¼ “ “ (16 Boxes, 100 lb.).....	“ 100 lbs.	6 00
12½ “ “ ( S “ “ ).....	“ 100 lbs..	6 00

## RIDGE CAPPING.

Charcoal Iron $\Lambda$ Cap, painted.....	4c	per lineal ft.
“ “ 1½ inch Roll, painted.....	6c	“ “
“ “ 2½ “ “ .....	8c	“ “
“ “ 3 “ “ .....	10c	“ “
Calamined Iron $\Lambda$ Ridge Cap, not painted.....	6c	“ “
“ “ 1½ in. Ridge Roll, not painted..	8c	“ “
“ “ 2½ “ “ “ “ .....	10c	“ “
“ “ 3 “ “ “ “ .....	12c	“ “

Prices of Berger's Patent Slip Joint Solderless Eave Troughs, and Solderless Patent Hangers, and Solderless S. S. Conductor Pipes, given on application.



## IRON ORE PAINT. DRY.

Kegs, 100 lbs.....	per lb.....	2 c
Barrels, 300, 500 and 600 lbs.....	"	1½c
Ton Lots.....	"	1 c

## PAINT GROUND IN OIL.

Cans, 12½ lbs.....	per lb.....	6 c
" 25 "	"	5 c
Kegs, 50 and 100 lbs.....	"	4½c
Barrels.....	"	4 c

## ROOFERS' PAPERS.

Felt (light).....	per square (100 sq. ft.).....	25c
Dry Rosin Sheathing Paper... " " "		25c
Waterproof Rosin Sized Sheathing Paper, per sq. (100 sq. ft.).....		35c

## OUR PRICES

Are always as low as *our quality of material* can be afforded.

We pay no heed to roofs of defective plans and inferior quality.

We advise you against buying such. Our material is cheaper in the end. Compare our samples with others.

TERMS—Goods sold on cash quotations must be paid for on delivery.

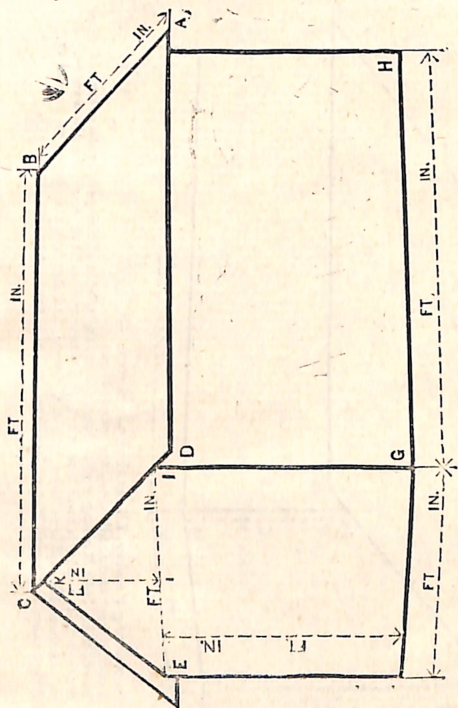
Parties desiring credit must have good commercial rating, or known to be responsible and prompt. All others must send reliable references, from whom satisfactory reports must be received before shipping.

TOOLS MUST BE PROMPTLY RETURNED with our return card attached, and shipping receipt sent us as proof of shipment, and to enable us to trace whenever lost.

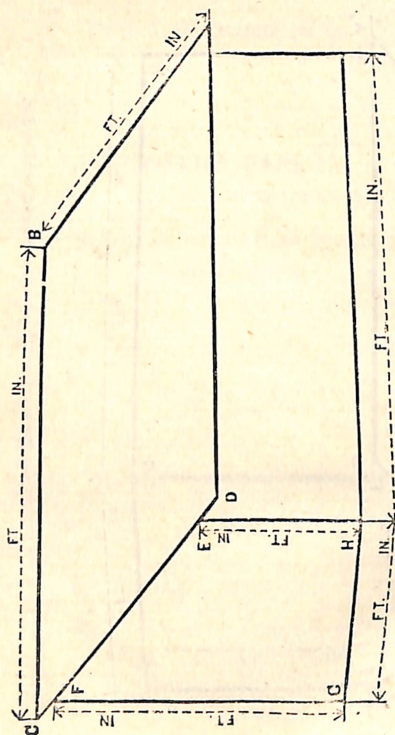
N. B. TOOLS NOT RETURNED PROMPTLY as soon as the roofing is laid, will be considered sold, and Subject to Sight Draft. Awaiting your orders.

Respectfully yours,

T. C. SNYDER & CO.

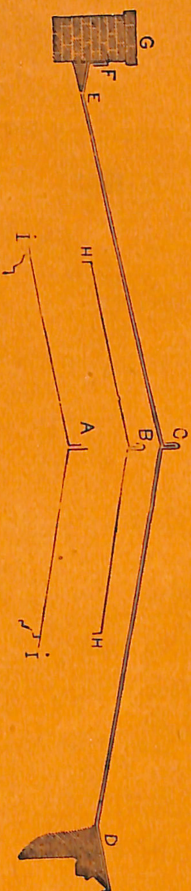


Fill out the proper diagram, cut out this leaf, and send with order.



In ordering Roofing, fill out diagram of roof.  
 In ordering Siding, fill out diagram of sides.  
 In ordering both Roofing and Siding, fill out the whole of the proper diagram.  
 State definitely which kind you want, and whether you have made the allowances.  
 Allowances for end laps Corrugated, Crimped, and Beaded, see pages 11, 12 and 13.  
 Allowances for Smith Patent Roofing, see cut 5, next page (inside cover).

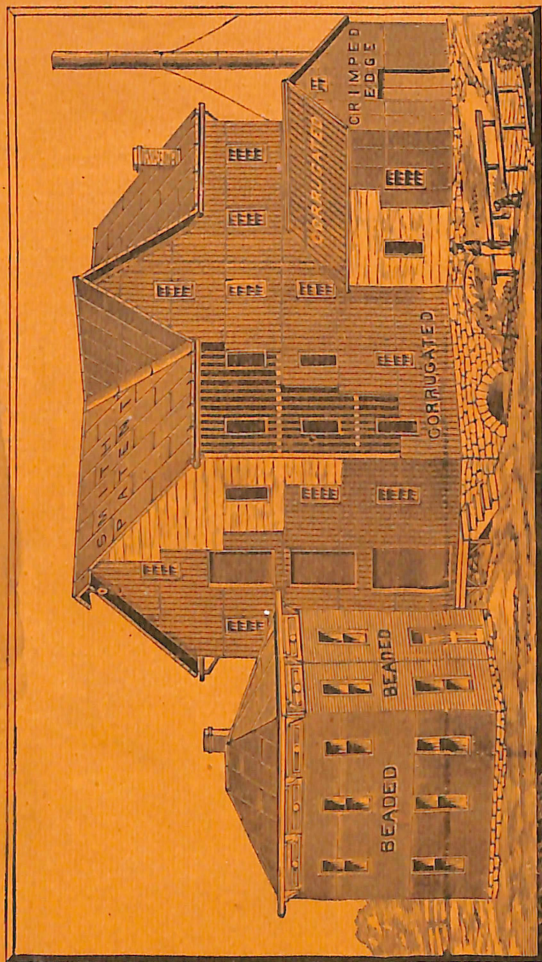




CUT No. 5.

SHOWING ALLOWANCES TO MAKE IN ORDERING "THE H. W. SMITH PATENT ROOFING."

- A.—Shows the 1 inch and a 2 inch edge turned up at ridge.
- B.—Shows the 2 inch edge bent over the 1 inch edge.
- C.—Shows the comb seam finished.
- D.—Shows wide gutter in the roof.
- E.—Shows wide gutter along the fire wall.
- F.—Shows counter flashing on fire wall.
- G.—Shows brick fire wall.
- H.—Shows laps at eaves.
- I.—Shows drip at eave, not turned down.



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